



Series 79 Micro-Crimp Section C: General Information and Reference

MATERIALS AND FINISHES

Size #23 contacts	Beryllium copper alloy, plated gold over nickel
Size #16 and #12 contacts	Copper alloy
Insulators	Liquid crystal polymer, 30% glass-reinforced
Shell	Aluminum alloy. See ordering info for finish options
Interfacial seal and grommet	Fluorosilicone
Contact and insert retention clips	Beryllium copper, heat-treated, unplated
Jackposts and guide pins	Stainless steel, passivated
EMI Shroud for right angle PCB	Aluminum alloy
Trays for right angle PCB	Thermoplastic
Spring, EMI (plug)	Stainless steel or beryllium copper alloy, gold plated

BASIC SPECIFICATIONS

Current rating	Contact size #23 5 Amps, size #16 13 Amps, size #12 23 Amps maximum
Voltage rating (DWV)	Contact size #23 500 VAC rms. Size #16 and #12 1800 VAC rms. Sea level.
Insulation resistance	5000 megohms minimum
Operating temperature	-65° C. to +150° C.
Contact resistance	5 milliohms maximum
Water ingress protection	IP67
Shielding effectiveness	>75 dB attenuation from 100 MHz to 1000MHz, >60dB 1GHz to 4GHz, >40dB 4GHz to 10GHz.

DETAILED PERFORMANCE SPECIFICATIONS

DESCRIPTION	REQUIREMENT	PROCEDURE		
Contact Resistance	SAE AS39029 Table V	EIA-364-06		
	Max	IEC 60512-2-1		
	Wire	Test current in amperes. Voltage drop in millivolts. Silver-coated copper wire, +25°C.		
	Test			
	Voltage			
	Size			
	Current			
	Drop			
	12		23	42
	14		17	40
16	13		49	
20	7.5	55		
22	5	73		
24	3	45		
26	2	52		
28	1.5	54		
Low Level Contact Resistance	Wire	EIA-364-23 100 milliamperes maximum and 20 millivolts maximum open circuit voltage		
	Size			
	Max.			
	Milliohms			
	16		5	
	20		9	
	22		15	
24	20			
26	31			
28	50			
Insulation Resistance	5000 megohms minimum	EIA-364-21 IEC-60512-3-1 500 volts DC ± 50 volts. Test between adjacent contacts and contacts to shell.		

Dimensions in inches (millimeters) and are subject to change without notice.